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REPORT NO. 79-2-11

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
PINEVILLE, LOUISIANA

Approved for distribution

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: Kisatchie National Forest

STATE: Louisiana

AREA WITHIN SURVEY BOUNDARY: 667,916 acres

DATE SURVEYED: 6/16/79, 7/31/79, 8/1/79, 8/2/79, 8/3/79

PERCENT COVERAGE: 50% everything except south Winn--100%

AIRCRAFT: Cessna 182

CREW: J. Smith, C. Pramik, L. Stanley, Y. Woodbury, C. Brevel, B. Sommers

SURVEY OBJECTIVES: To detect the presence of any forest insect or disease activity within the boundaries of the Kisatchie NF.

SURVEY RESULTS AND CONCLUSIONS

1. A few areas have shown some increase in southern pine beetle activity, while other areas have very little activity.
2. A listing of each district with the total number of spots found from the flights made:

District	# of Spots
Caney	8
Kisatchie	18
Vernon	20
Evangeline	24
Catahoula	36
Winn	61

3. The increase of the southern pine beetle activity in certain areas could be due to the following:
   a. An ice storm, from this past winter, has lead to heavy damages to some trees.
   b. Ground checking of some spots has shown the average pine basal area to be 110 and the average total basal area to be 170.
   c. Spots showing red tops and faders were found to have between 7-52 active trees.
   d. Single tree spots were usually found to be inactive.
   e. The larger active spots are being marked and removed as soon as they are located.
   f. The districts should continue to do surveillance work. If activities should increase, the districts should contact State and Private, Insect and Disease Management.

For any additional information, contact

Forest Insect and Disease Management Unit, S&PF
USFS - Southeastern Area
2500 Shreveport Highway
Pineville, LA 71360
Telephone: 318 445-6511, Ext. 311

FARMERVILLE 26 MI.

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

EDWARD P. CLIFF, CHIEF

KISATCHIE NATIONAL FOREST

(CANEY DIVISION)

LOUISIANA

LOUISIANA MERIDAN

1965

Scale ½" = 1 Miles

1 ½ 0 1 2 3 4 5

AERIAL SURVEY - 6/16/79

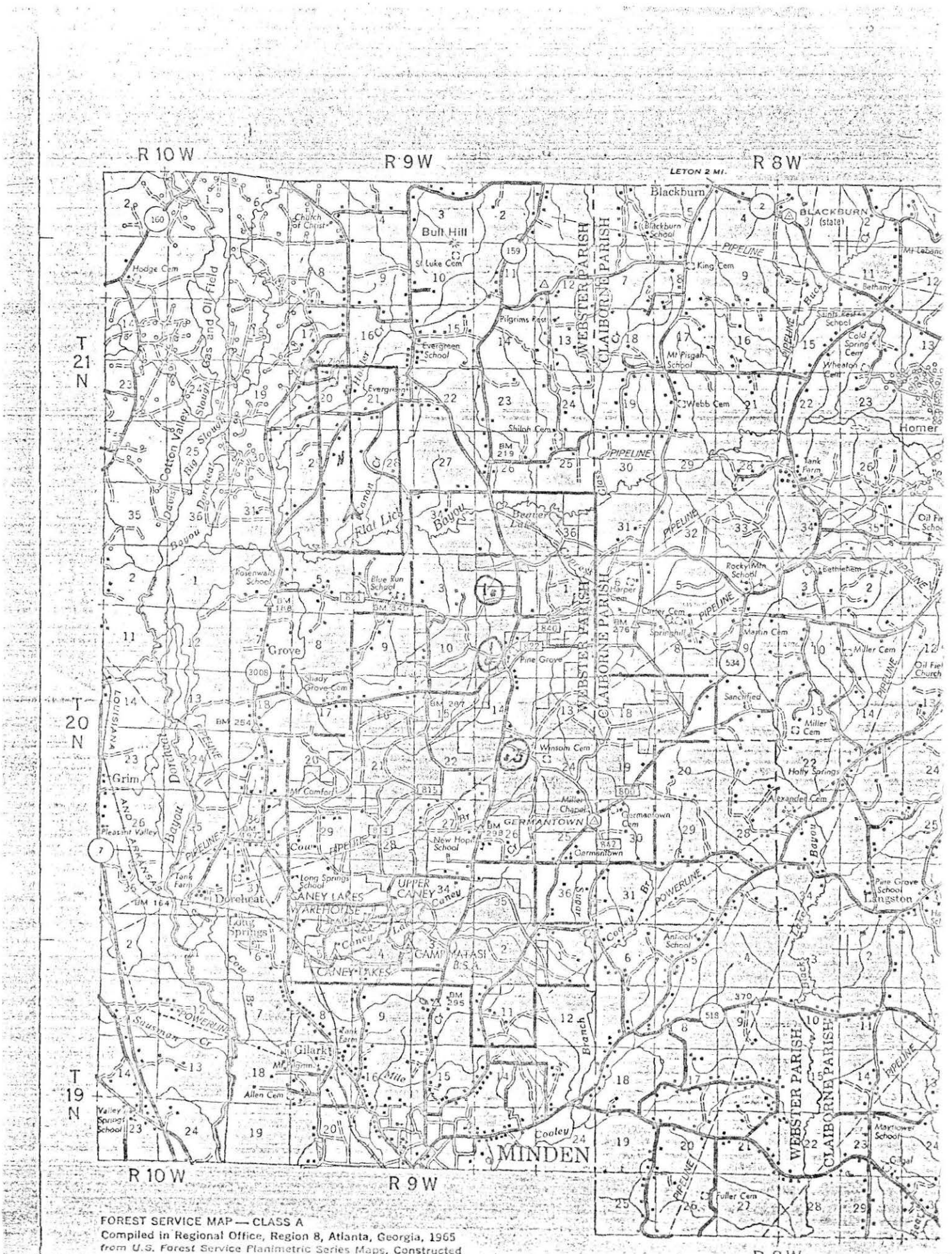
KEY MAP

Polyconic Projection
1927 North American Datum

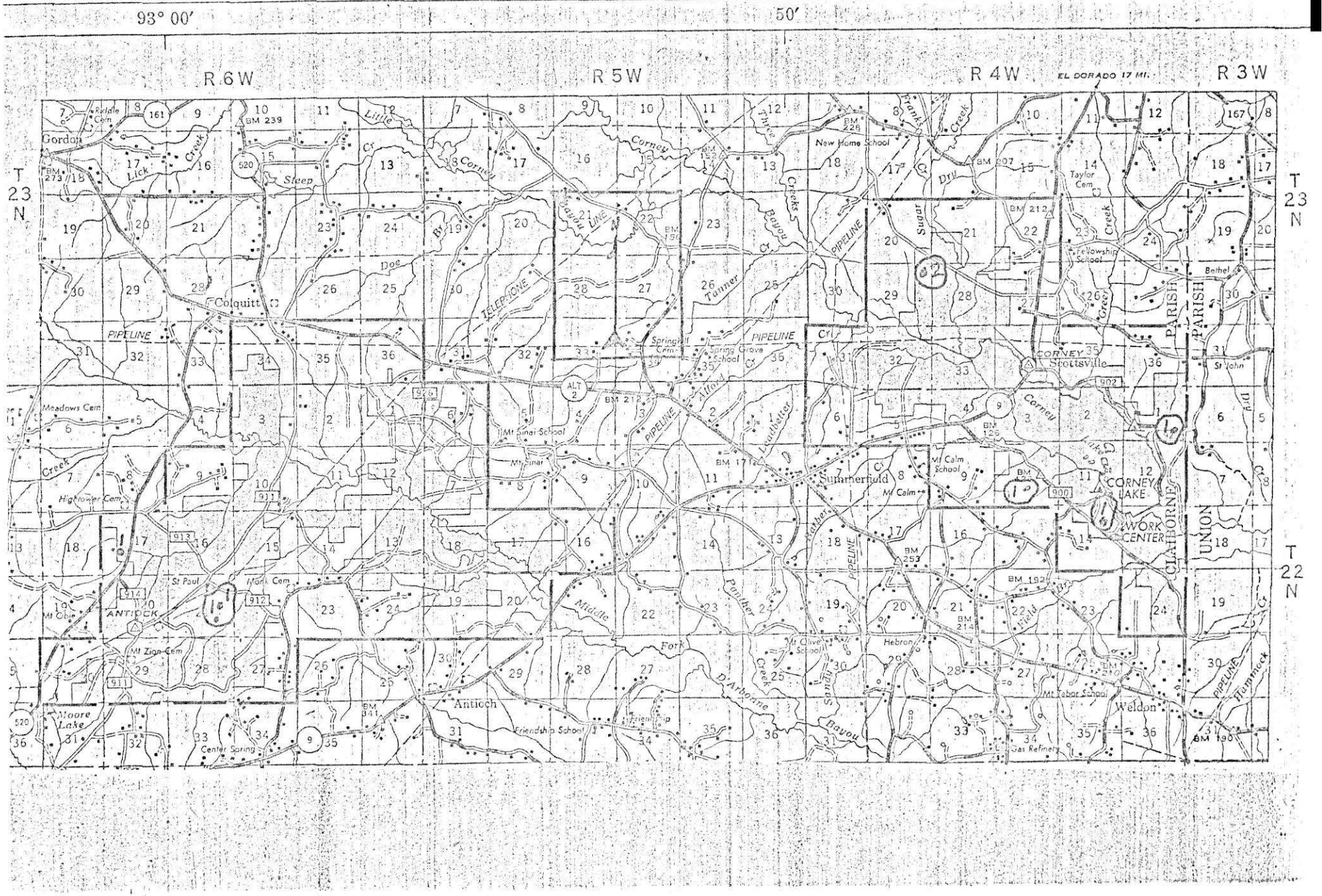
50′

40′

50′



FOREST SERVICE MAP — CLASS A
Compiled in Regional Office, Region 8, Atlanta, Georgia, 1965
from U.S. Forest Service Planimetric Series Maps, Constructed


93° 00′
50′
R 6 W
R 5 W
R 4 W
R 3 W
EL DORADO 17 MI.
T 23 N
T 22 N
Gordon
Colquitt
Antioch
Summerfield
Corney
Scottsville
CORNEY LAKE
WORK CENTER
Weldon
ANTIOCH
Moore Lake
Center Spring
Friendship School
Mt Sinai School
Mt Calm School
Mt Olive School
Mt Tabor School
New Home School
Spring Grove School
Fellowship School
Gas Refinery
Meadows Cem
Highpower Cem
St Paul
Work Cem
Mt Zion Cem
Riddle Cem
Spring Hill Cem
Taylor Cem
Little Creek
Sleep Creek
Three Corner Creek
Corney Creek
Frank's Creek
Drill Creek
Sugar Creek
Doe Creek
Tanner Creek
Bayou Creeks
Alford Creek
Loudbatter Creek
Middle Fork
Panther Creek
D'Arbonne Bayou
Sandy Creek
Lake Creek
Hammock Bayou
Harbert Field
TELEPHONE
PIPELINE
CLAIBORNE PARISH
UNION PARISH
BM 239
BM 226
BM 207
BM 212
BM 151
BM 152
BM 212
BM 171
BM 126
BM 253
BM 192
BM 214
BM 240
BM 190
BM 275
BM 341
ALT 2
520
161
167
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912
913
914

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
JOHN R. McGUIRE, CHIEF

KISATCHIE NATIONAL FOREST

(KISATCHIE-VERNON-EVANGELINE RANGER DISTRICTS)

LOUISIANA

LOUISIANA MERIDIAN

1978

Scale ½" = 1 mile

KEY MAP

AERIAL SURVEY

KISATCHIE 7/31/79

EVANGELINE 8/1/79

VERNON 8/2/79

93°00'

92°30'

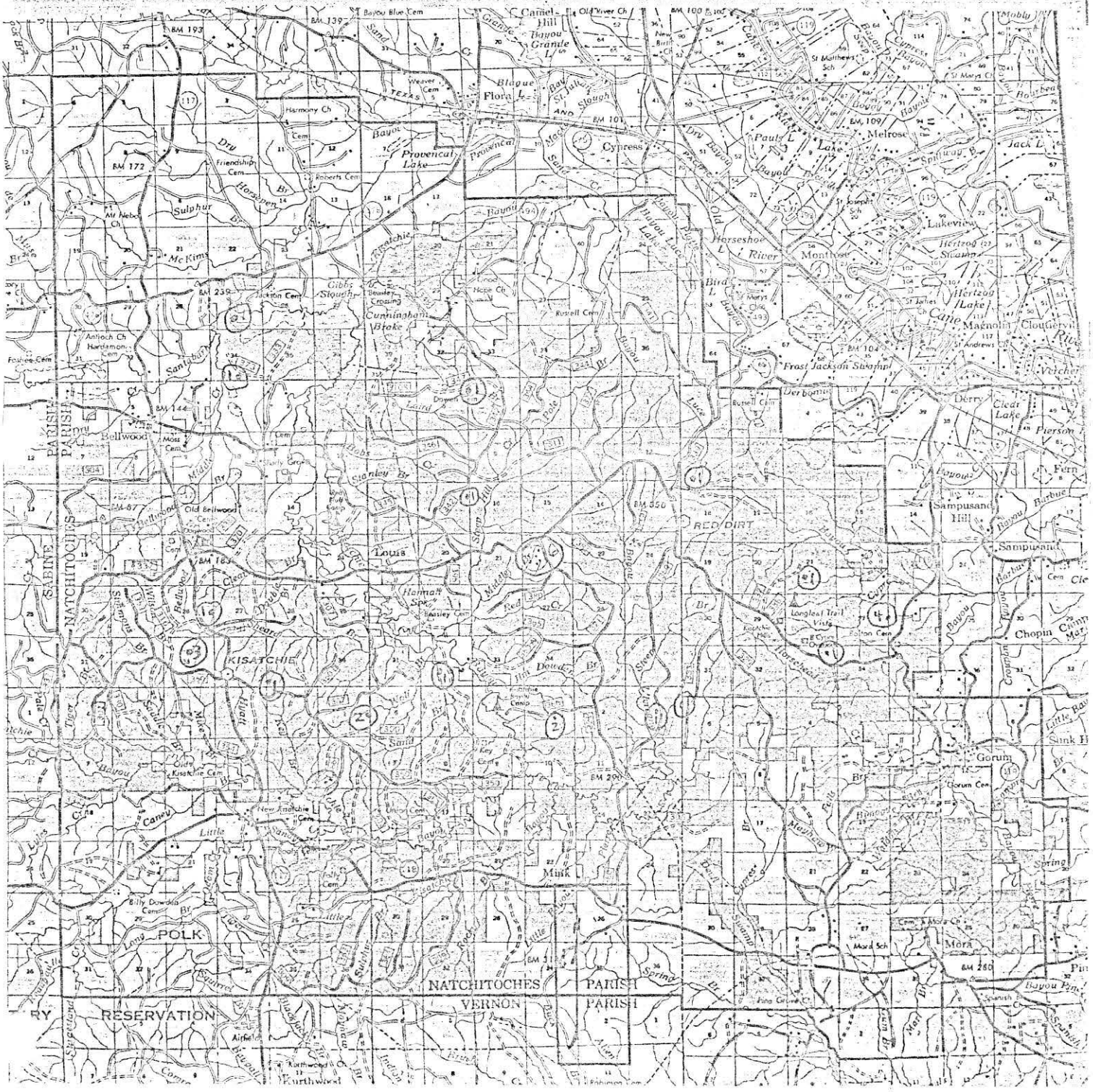
INDEX TO GEOLOGICAL SURVEY TOPOGRAPHIC MAPS

31°30'

31°00'

PROVENCAL
Montgomery
Clouterville
Kisatchie
Bayou L'Ivrogne
Gorum
Lena
Kurthwood
Hutton
Temple
Jericho
Gardner
Rapides
Alexandria
Slagle
Simpson South
La Camp
Sieper
Elmer
Woodworth West
Woodworth East
Newllano
Fort Polk
Birds Creek
Fullerton Lake
Leander S.E.
Melder
Forest Hill
Lecompte
Rosepine
Chasemore
Subrue
Pitkin
Steep Gully
Pawnee
Glenmora

Contour maps available from U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, Virginia 22202


NATCHITOCHES PARISH
SABINE PARISH
POLK
VERNON PARISH
RESERVATION
KISATCHIE
Louis
Mink
Camel Hill
Bayou Grande L.
Blaque Flora L.
Provencal Lake
Cypress
Paul L.
Lake
Melrose
Lakeview
Montrose
Horseshoe L.
Bird L.
Frost Jackson Swamp
Cane
Magnolia
Cloutierville
Derry
Clear Lake
Pierson
Fern
Sampusand Hill
Sampusand
RED DIRT
Chopin
Gorum
Mora
Bellwood
Old Bellwood
Cunningham Bloke
Gibbs Slough
Hutson Lake
Hutson Lake
Spillway
Jack L.
Herzog Lake
Herzog Slough
Longleaf Trail Vista
Old River Ch
Bayou Blue Cem
Harmony Ch
Friendship Cem
Roberts Cem
Mt Hebo Ch
Antioch Ch
Hartemon Cem
Foshee Cem
Jackson Cem
Russell Cem
Hope Ch
St James Ch
St Andrews
St Matthews Sch
St Mary's Ch
Mary's Chap
Mord Sch
Weaver Cem
Bailey Cem
Moss Cem
Old Kisatchie Cem
New Kisatchie Cem
Billy Dowdell Cem
Gorum Cem
Fenton Cem
Hannah Spr
Provencal
Kisatchie
Sulphur
Horsepen
Dry Friendship
Dry Bayou
Bayou Pierre
Old Horseshoe
Bayou Pierre
Sandy Cr
Middle Red
Little Red
Red
Little
Sulphur
Saline
Tiger
Squirrel
Long
Camp
Indian
Spring
Bayou Pine
Bayou Barbue
Longleaf Trail
Stanley Br
Dowden Br
Hill Dowden Br
Sandy Br
Middle Br
Little Br
Sulphur Br
Saline Br
Tiger Br
Squirrel Br
Long Br
Camp Br
Indian Br
Spring Br
Bayou Pine Br
Bayou Barbue Br
Longleaf Trail Br
Stanley Br
Dowden Br
Hill Dowden Br
Sandy Br
Middle Br
Little Br
Sulphur Br
Saline Br
Tiger Br
Squirrel Br
Long Br
Camp Br
Indian Br
Spring Br
Bayou Pine Br
Bayou Barbue Br
Longleaf Trail Br
BM 193
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BM 101
BM 109
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BM 87
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BM 280
BM 100
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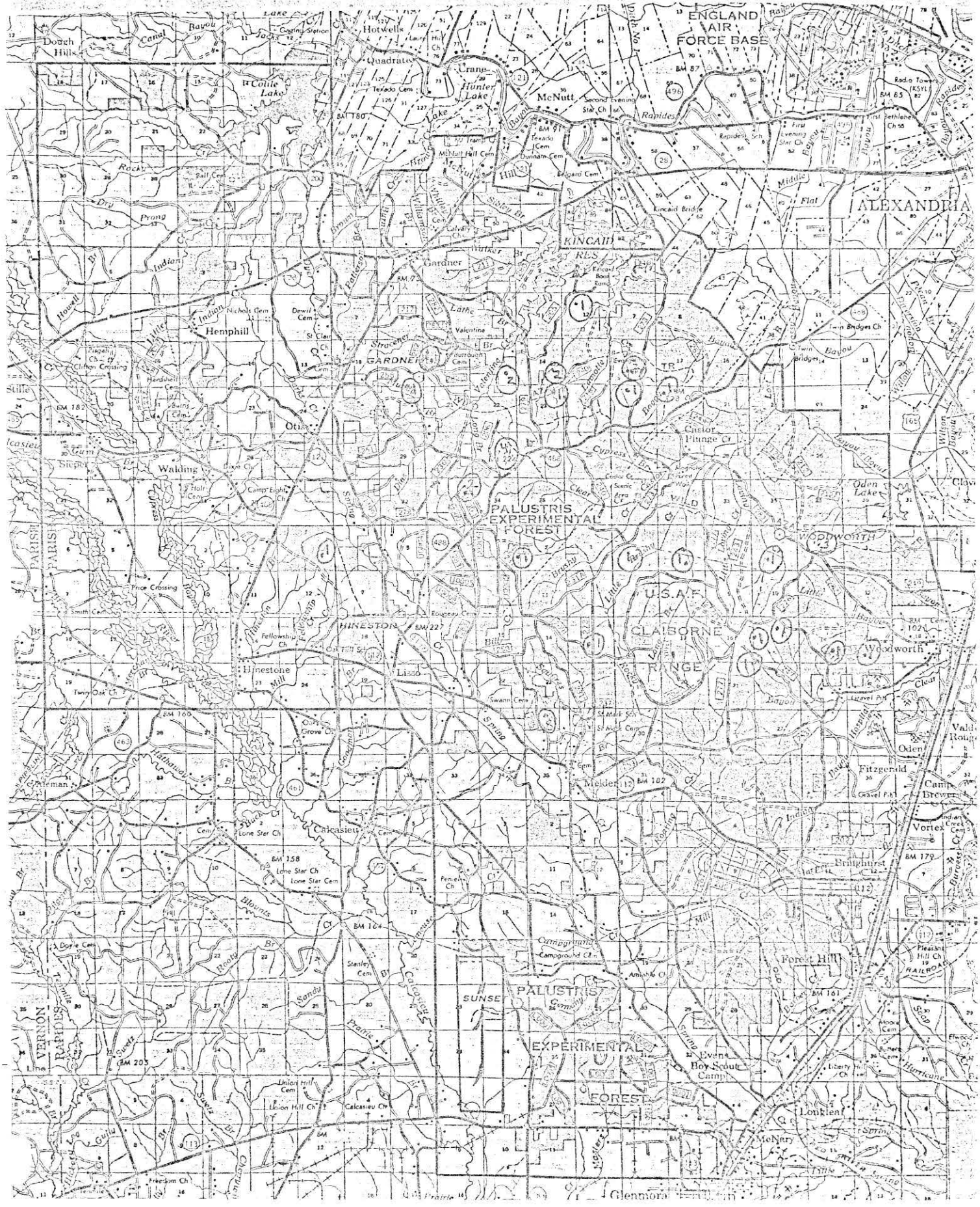
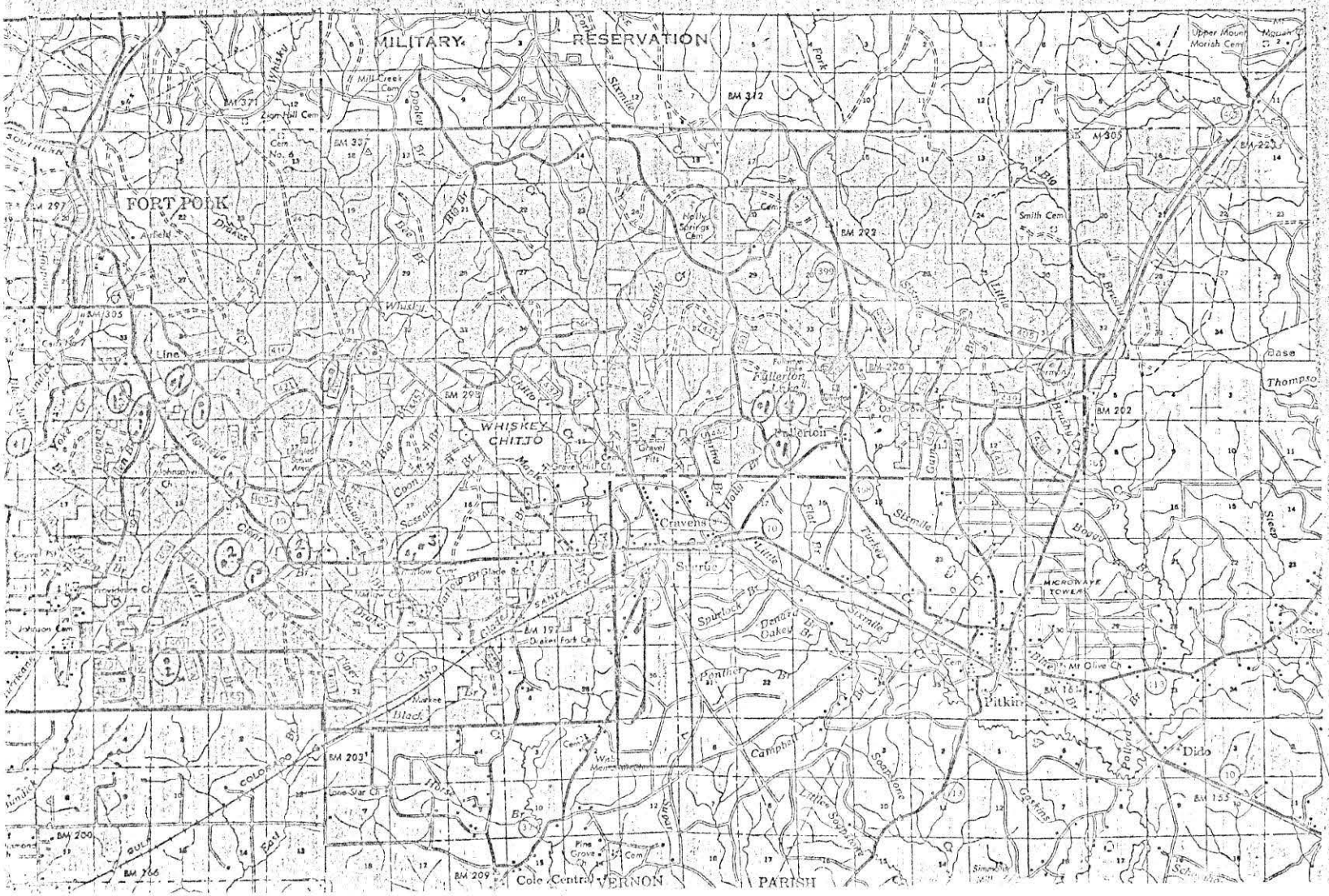
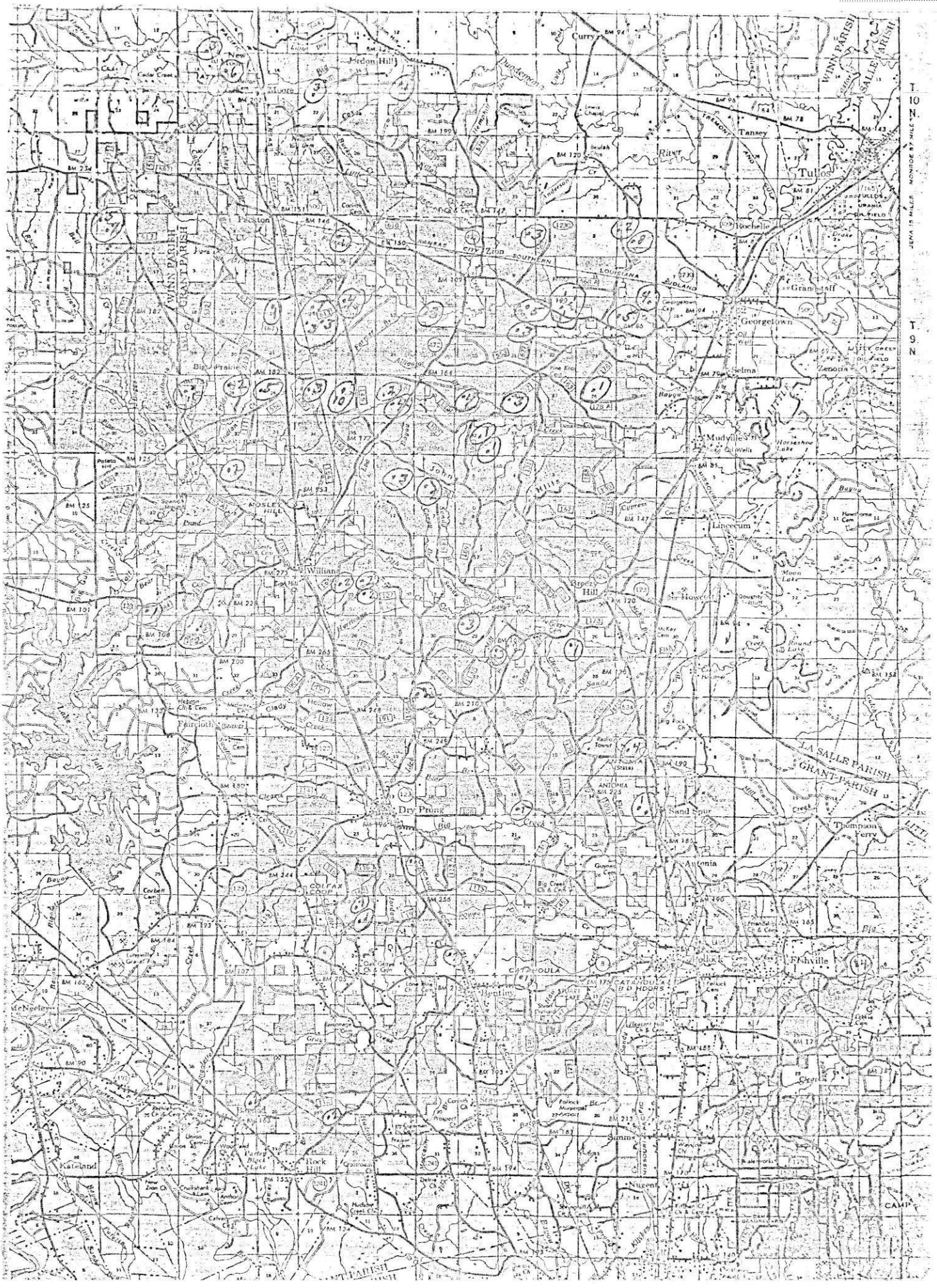

ENGLAND AIR FORCE BASE
ALEXANDRIA
KINCAID RES.
PALUSTRIS EXPERIMENTAL FOREST
U.S.A.F. CLAIBORNE RANGE
PALUSTRIS EXPERIMENTAL FOREST
Hotwells
Quadrate
Crane
Hunter Lake
McNutt
Colile Lake
Gardner
Hemphill
GARDNER
Otis
Walding
Hinestone
Lisso
Woodworth
Oden
Fitzgerald
Melder
Calcasieu
Vortex
Brightwurst
Forest Hill
Louglen
McNary
Glenmora
Oden Lake
Custer Plunge Cr
Price Crossing
Boy Scout Camp
Evans
Sunset
VERNON PARISH
RAPIDES PARISH


MILITARY RESERVATION
FORT POLK
Airfield
WHISKEY CHITTO
Fullerton
Cravens
Pitkin
Dido
VERNON
PARISH
Cole Central
Mill Creek Cem
Lion Hill Cem
Holly Springs Cem
Smith Cem
Johnson Cem
Pine Grove Cem
Mt Olive Ch
MICROWAVE TOWER
BM 312
BM 305
BM 297
BM 293
BM 220
BM 202
BM 197
BM 203
BM 200
BM 155
BM 209


T. 10 N.
T. 9 N.
JENA 15 MILES
MONROE 87 MILES
WINN PARISH
LA SALLE PARISH
GRANT PARISH
Curry
Perdon Hill
Tansey
Tullos
Rochelle
Preston
Georgetown
Selma
Mudville
Lincecum
Williana
Hawes
Fairbirth
Dry Prong
Sand Spur
Thompson Ferry
Antonia
Fishville
Summerfield
Nugent
Katland
McNeely
Bentley
Big Prairie
Moseley Hill
Rock Hill
Colfax Coop
Corbin Cem
Big Creek Ch & Cem
Pleasant Hill Ch & Cem
Union Cem
Mt Olive Ch & Cem
Hebron Ch & Cem
Bethel Cem
Woodlawn Cem
Antonia (State)
Falrock Tower
Falrock Museum
Catahoula Bluffs
Catahoula
Camp
Parish

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
JOHN R. McGUIRE, CHIEF

KISATCHIE NATIONAL FOREST

(CATAHOULA AND WINN RANGER DISTRICTS)

LOUISIANA

LOUISIANA MERIDIAN

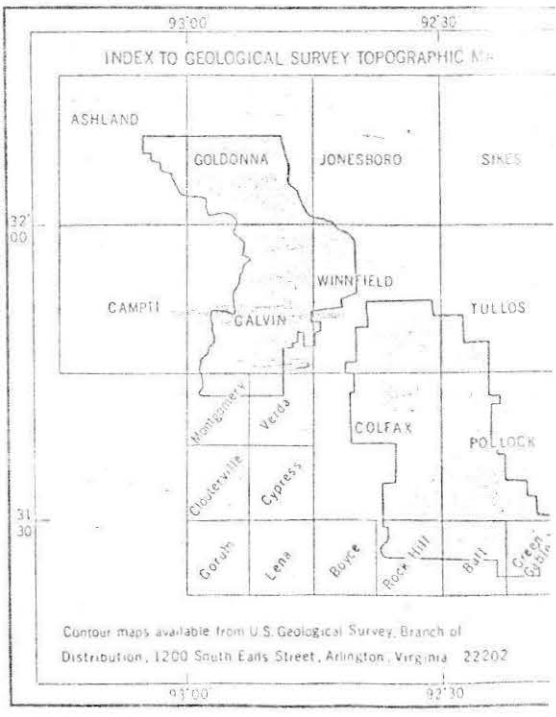
1978

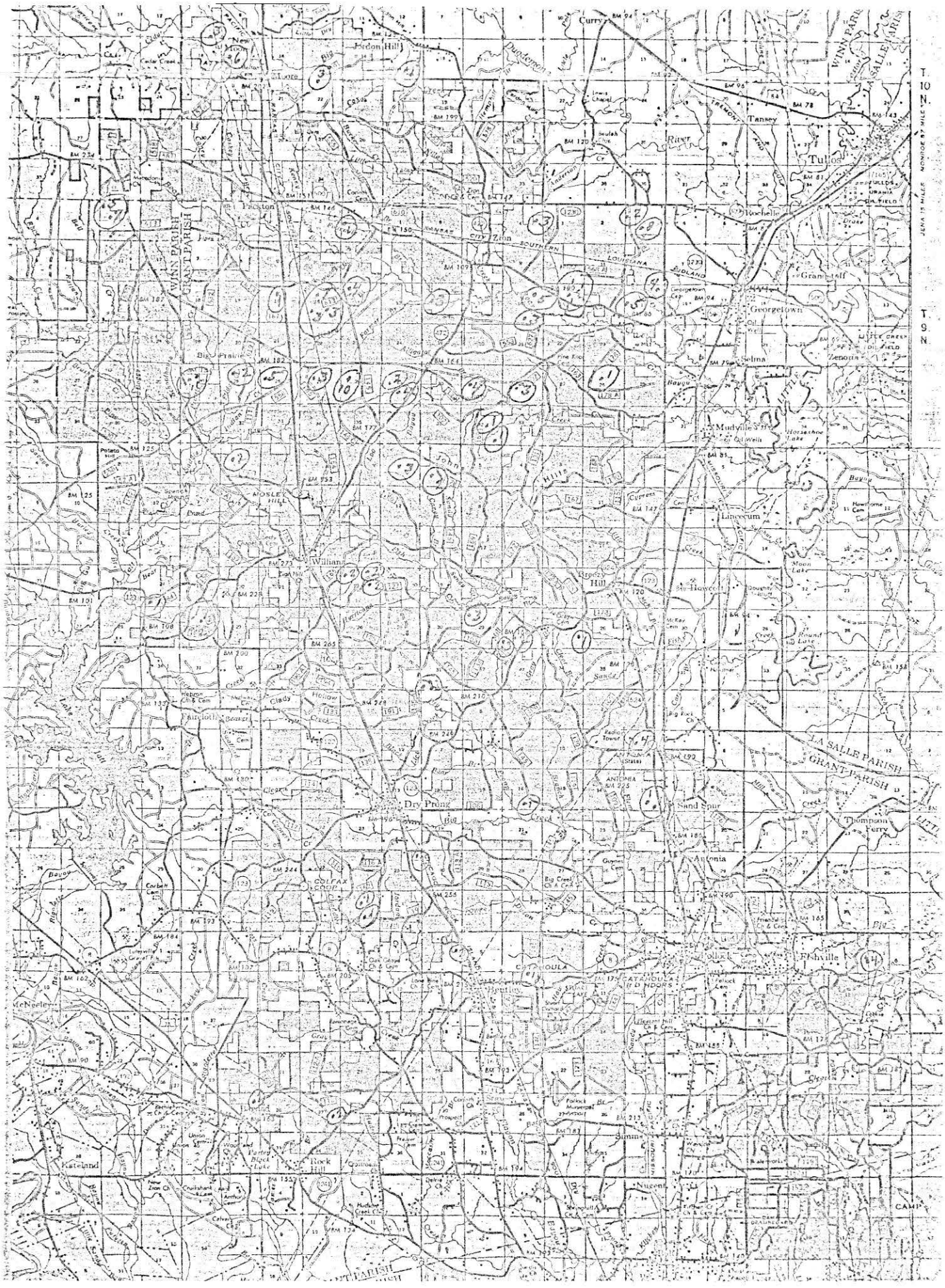
AERIAL SURVEY

CATAHOULA 8/2/79

WINN 8/2/79, 8/3/79

KEY MAP




T. 10 N.
T. 9 N.
JENA 19 MILES
MONROE 67 MILES
WINN PARISH
GRANT PARISH
LA SALLE PARISH
Curry
Jordon Hill
Tannery
Tullos
Rochelle
Georgetown
Selma
Zenoria
Mudville
Lincecum
Williana
Hill
Dry Prong
Sand Spur
Thompson Ferry
Antonia
Fishville
Summa
Nuevo
Rock Hill
Katsland
McNeely
Pollock
Jena
Trout
Clarks
Creek
Bayou
Little River
Dugdemona River
Southern Pacific
Louisiana Midland
Missouri Pacific
Colfax Coop
Catahoula
Antonia (State)
Horseshoe Lake
Moon Lake
Round Lake
Big Creek
Dry Prong
Sand Spur
Thompson Ferry
Fishville
Summa
Nuevo
Rock Hill
Katsland
McNeely
Pollock
Jena
Trout
Clarks
Creek
Bayou
Little River
Dugdemona River
Southern Pacific
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Missouri Pacific
Colfax Coop
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Horseshoe Lake
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Round Lake
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PINEVILLE, LOUISIANA, La

REPORT OF AERIAL DETECTION SURVEY

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AIRCRAFT: Cessna 182

CREW: J. Smith, C. Pramik, L. Stanley, Y. Woodbury, C. Brevel, B. Sommers

SURVEY OBJECTIVES: To detect the presence of any forest insect or disease activity within the boundaries of the Kisatchie NF.

SURVEY RESULTS AND CONCLUSIONS

1. A few areas have shown some increase in southern pine beetle activity, while other areas have very little activity.
2. A listing of each district with the total number of spots found from the flights made:

District	# of Spots	
Caney	8	6/16
Kisatchie	18	7/31
Vernon	20	8/1
Evangeline	24	8/1
Catahoula	36	8/2
Winn	61	8/2,3

Districts were immediately provided w/maps & participated in the flights.

3. The increase of the southern pine beetle activity in certain areas could be due to the following:
   a. An ice storm, from this past winter, has lead to heavy damages to some trees.
   b. Ground checking of some spots has shown the average pine basal area to be 110 and the average total basal area to be 170.
   c. Spots showing red tops and faders were found to have between 7-52 active trees.
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